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(54) Title: GLYCOSYLATED MODIFIED PRIMATE LENTIVIRUS ENVELOPE POLYPEPTIDES

(57) Abstract

A modified polypeptide corresponding to an envelope glycoprotein of a primate lentivirus is described. The polypeptide has been modified from the wild-type structure so that it has at least two of the glycosylation sites proximal to the CD4 binding site or chemokine receptor site altered so that the alteration prevents glycosylation at that site or where glycosylation sites distal to these sites have been derivatized with a molecular adjuvant, while retaining the overall 3-dimensional structure of a discontinuous conserved epitope of the wild-type protein. Preferably, the polypeptide has both changes. Preferably, the primate lentivirus is HIV, and the protein is HIV-1 gp 120.